

ABSTRACT

A system and method is provided for detecting emitter signals and for determining a scan strategy for a receiver system that receives such emitter signals. Typically, the minimum dwell duration of a dwell is the maximum pulse repetition interval (PRI) of the emitters that the dwell is intended to cover. However, it may be possible to reduce the minimum dwell duration when the overall probability of intercept of a particular dwell may be met with a shorter dwell duration. A system and method are provided to detect this condition and reduce the dwell duration of the dwell if appropriate.